Missouri Department of Transportation

Bridge Division

Bridge Design Manual

Section 3.1

Revised 03/01/2000

Click Here for Index

* Sections not Published

GENERAL DESIGN DATA - BRIDGES							
STANDARD ROADWAYS	LOADING	MIN. SLAB THICKNESS		NO. STRINGER	STRINGER SPA.	30# W.S.	½" Int. W.S.
		STEEL STR.	BOX GIR.				
26'	HS20	8"	7"	4	7'-6"	See Design Layout	Use ↓
28'	H15	7½"	7"	4	8'-2"		
34'	H20	8"	7"	5	7'-8"		
34'	H20	8"	7"	4-Gdr.*	10'-2"		
38'	H20-HS20	8"	7"	5	8'-8"		
39'-5"	HS20	8"	7"	5	9'-0"		
40'	H20-HS20	8"	7"	5	9'-2"		
44'	HS20	8"	7"	6	8'-1"		
44'	HS20	8"	7"	5-Gdr.*	10'-2"		

* Applicable to bridges having a span or spans exceeding 120'-0".

GENERAL DESIGN DATA - STEEL AND PRESTRESS "I" GIRDER STRUCTURES						
STANDARD ROADWAYS	LOADING	SLAB THICKNESS	NUMBER STRINGER	STRINGER SPACING	FUTURE WEARING SURFACE	INTEGRAL WEARING SURFACE
24'-10"	HS20	8½"	4	7'-2"	15 Lbs. /ft.^{2}	I"
28'	H15	8"	4	8'-2"		
34'	H20	8½"	5	7'-8"		
34'	H20	8½"	4-Gdr.*	10'-2"		
38'	H20-HS20	8½"	5	8'-8"		
39'-5"	HS20	8½"	5	9'-0"		
40'	H20-HS20	8½"	5	9'-2"		
44'	HS20	8½"	6	8'-1"		
44'	HS20	8½"	5-Gdr.*	10'-2"		

* Applicable to bridges having a span or spans exceeding 120'-0".

Note: The span lengths for steel and prestressed structures as given in the Design Layout are horizontal dimensions and the actual girder length should be adjusted according to grade.